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NEW WEB-BASED ACCESS TO NUCLEAR STRUCTURE DATASETS

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As part of an effort to migrate the NNDC databases to a relational platform, a new web interface has been developed for the dissemination of the nuclear structure datasets stored in the ENSDF (Evaluated Nuclear Structure File) and XUNDL (Experimental Unevaluated Nuclear Data List) databases.

The new interface provides greater power and flexibility in the selection of data than was previously available on the web. It allows searching and filtering on indexed reaction and decay quantities, as well as nuclide mass and charge. Searches can be limited to one of the databases, or can span both.

Cross-referencing with the Nuclear Science References database (NSR), allows retrieval of all papers referenced by a given structure dataset, or retrieval of all datasets referencing a specific paper.